

Darshil Chheda

Software Developer

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SUMMARY

- Over 4+ years of experience in full-stack development, specializing in scalable web and mobile applications using React, Angular, Vue.js, Node.js, Spring Boot, and Flutter, with expertise in building dynamic, high-performance UIs and ensuring responsive, cross-device experiences using CSS frameworks like Tailwind CSS and Bootstrap.
- Expertise in building and optimizing RESTful APIs with Spring Boot, Node.js, and Express.js, ensuring secure, efficient communication between front-end and back-end services, with a focus on high availability and fault tolerance.
- In-depth experience with cloud platforms like AWS and Google Cloud Platform (GCP), including cloud storage, serverless computing, and scalable app deployment, ensuring robust and reliable application performance.
- Strong background in implementing secure authentication and authorization mechanisms, including OAuth, biometric authentication, data encryption, and compliance with data privacy regulations (GDPR, CCPA).
- Extensive experience in database design and optimization using relational databases (PostgreSQL, MySQL) and NoSQL solutions (MongoDB), ensuring data consistency, efficient queries, and scalability for large datasets.
- Proficient in CI/CD pipeline automation with tools like Jenkins, GitLab, and Docker, enabling efficient development cycles, automated testing, and fast deployment of applications in an Agile environment.
- Skilled in performance optimization techniques, including caching, load balancing, and code refactoring, ensuring fast, secure, and high-quality applications with enhanced user experiences and minimal downtime.

SKILLS

Front-End Development:	React, Angular, Vue.js, Flutter, HTML5, CSS3, JavaScript, TypeScript, Bootstrap, Responsive Design, Web Components
Back-End Development:	Node.js, Express.js, Python, Java, Django, C, C++, ASP.NET, RESTful APIs , Flask , GO, Ruby on Rails
Frameworks/Libraries:	Spring Boot, Spring Cloud, Spring MVC, JSF, Hibernate, ReactJS, Angular, Node.JS, Django, Flask, Apache Airflow JAX-RS
J2EE Technologies:	Servlets, JSP, JSTL, JavaBeans, JDBC
Cloud Technology:	AWS (Amazon Web Services), Google Cloud Platform (GCP), Firebase
Database:	MySQL, PostgreSQL, MongoDB, Oracle, SQL Server, GraphQL
DevOps and Deployment:	Docker, Kubernetes, Jenkins, GitLab CI/CD, Travis CI, Continuous Integration. (CI) and Continuous Deployment (CD)
Testing:	Jest, Selenium, Cypress, Unit testing, Integration testing, End-to-end testing, A/B testing
Security:	Authentication (OAuth), Authorization, HTTPS, Encryption, Security best practices
Project Management and Collaboration:	Agile (Scrum, Kanban), Jira, Trello, Asana, Monday.com, VersionOne, Slack, Microsoft Teams, Zoom, Google Workspace, Microsoft Office
Version Control Tools:	Git, GitHub, GitLab, Bitbucket
Operating Systems:	Windows, Linux, Mac OS

EDUCATION

Master of Science in Computer Science specializing in Cybersecurity – Indiana University, Bloomington, Indiana
Bachelor of Engineering in Computing Engineering – University of Mumbai, Maharashtra, India

EXPERIENCE

Software Developer | Fifth Third Bank, IN | Sept 2023-Present

- Developed a secure mobile banking and budgeting app with responsive **React Native** dashboards, enabling users to manage spending, set financial goals, and track budgets across various devices, leading to a 25% increase in user engagement and improved financial literacy.
- Implemented **custom UI components with HTML5, CSS3, and Tailwind CSS**, adhering to best practices in responsive design, ensuring 95% device compatibility for mobile and desktop users.
- Integrated biometric authentication (fingerprint and facial recognition) in the mobile app using **JavaScript**, improving user security and access control for over 10,000 users.

- Leveraged **ReactJS to build dynamic and user-friendly interfaces**, providing users with the ability to easily track their financial goals and budgets.
- Optimized back-end performance by implementing caching mechanisms in **Spring MVC**, reducing server response times by 30% and improving overall application performance.
- Designed and developed **RESTful APIs with Node.js** to support secure data communication between the mobile front-end and back-end services, ensuring reliable user authentication and financial data transactions.
- Ensured compliance with **data protection regulations (GDPR, CCPA)** by applying data encryption practices in Spring Boot, securing user data and improving privacy controls for over 10,000 users.
- Developed a high-performance **PostgreSQL database** schema to efficiently store and manage user accounts, transaction records, and biometric data, enhancing scalability by 50%.
- Implemented **JDBC to streamline database management**, ensuring seamless communication between the FinTrack mobile app and PostgreSQL database while maintaining data integrity.
- Deployed the mobile banking app on **Google Cloud Platform (GCP)**, leveraging its scalability and reliability to improve app performance by 35% and enhance integration with other cloud services.
- Utilized **AWS cloud services** to ensure high availability and fault tolerance of the FinTrack app, improving system reliability and user experience across regions.
- Implemented **comprehensive unit testing using Jest** for the app, ensuring the accuracy and reliability of core features such as transaction tracking and budget management, while minimizing bugs and improving code quality.

Software Developer | Accenture, Mumbai, India |Jan 2019-Dec 2021

- Developed a dynamic and responsive user interface for the Learning Management System using **Angular**, significantly improving user engagement and delivering an enhanced user experience across devices with a 30% increase in user satisfaction.
- Utilized **CSS3, HTML5, and Bootstrap** to create a mobile-first, responsive design for the Learning Management System, ensuring compatibility across 95% of devices, including desktops, tablets, and smartphones.
- Implemented **TypeScript** to build interactive, type-safe components within the LMS, optimizing real-time content updates without page reloads, boosting platform responsiveness by 35%.
- Built a cross-platform mobile app for iOS and **Android using Flutter**, enabling seamless access to the LMS and increasing mobile user engagement by 25%.
- Leveraged modern front-end frameworks like **Angular and Vue.js** for developing reusable web components, improving code maintainability and scalability for LMS features.
- Designed and implemented a robust **RESTful API using Express.js**, enabling efficient client-server communication and ensuring smooth data handling for course content and user authentication.
- Utilized **Spring Boot and Hibernate** to build scalable back-end services for the LMS, including user management and course data, ensuring high availability and low latency for user interactions.
- Implemented **OAuth** for secure user authentication in the LMS, ensuring a high level of security for over 10,000 users and reducing unauthorized access attempts by 95%.
- Optimized **LMS data retrieval by integrating GraphQL**, improving query performance by 50% and providing a flexible schema for efficient management of course content and user data.
- Utilized **MySQL for managing relational data**, ensuring high consistency and optimized data storage for user profiles, course materials, and progress tracking within the LMS.
- Deployed the LMS on **AWS using EC2 for scalable server hosting and S3** for static file storage, ensuring high availability, performance, and minimal downtime for users.
- Conducted **A/B testing** on various LMS user interface elements and course content delivery, leading to a 20% increase in user engagement and improved conversion rates for course sign-ups and content interaction.